SPECIFICATIONS

AO Medium				TeO2
Acoustic Velocity				4.2 mm/μs
Active Aperture*	2.5	mm 'L' X	0.6	mm 'H'
Center Frequency (Fc)				110 MHz
RF Bandwidth	24 MHz @		-10 dB	Return Loss
Input Impedance				50 Ohms Nominal
VSWR @ Fc				1.3 :1 Max
Wavelength				442-633 nm
Insertion Loss				4 % Max
Reflectivity per Surface				1 % Max
Anti-Reflection Coating				MIL-C-48497
Optical Power Density				250 W/mm^2
Contrast Ratio				1000 :1 Min
Polarization				90 ° To Mounting Plane

PERFORMANCE VS WAVELENGTH

Wavelength (nm)	**442**	**488**	**515**	**633**
Saturation RF Power (W)	0.29	0.39	0.43	0.65
Bragg Angle (mr)	5.8	6.4	6.7	8.3
Beam Separation (mr)	11.6	12.8	13.4	16.6

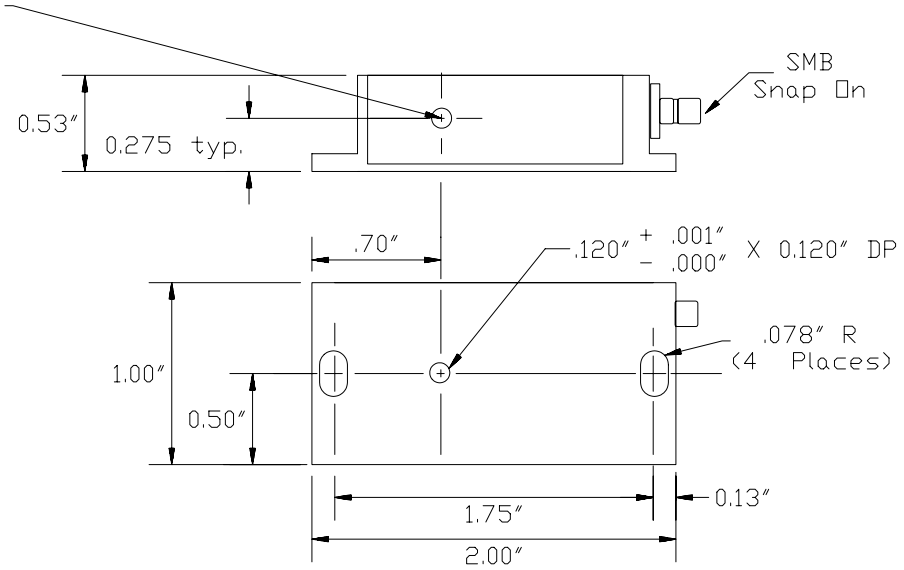
PERFORMANCE VS BEAM DIAMETER

Beam Diameter (μm)	**113**	**130**	**200**	**500**
at Wavelength (nm)	633	633	633	633
Diffraction Efficiency (%)	70	75	80	83
Rise Time (nsec)	25	28	39	86
Modulation Bandwidth	28	24	15.8	6.3
	20	10	5	1

For Reference Only

*Active Aperture: Aperture over which performance specifications apply.

Outline Drawing: **Package Style 2**



Ordering Information:

XSoptix
800 Village Walk #316
Guilford, CT 06437
Ph: 203-401-8093
Email orders to: sales@xsoptix.com
Fax orders to: 800-878-7282

Notes:

TOLERANCES: .XX ± .01 .XXX ± .005	DR	A. Campi 6/17/2002	Crystal Technology, Inc.		
MATERIAL:	CHK		DESCRIPTION: AOMO 3110-120		
FINISH:	APP				
	APP		PART NUMBER: 99-20068-01	REV: B	SHEET 1 OF 1